



**GS Yuasa Launches LED Lamp LEGA LDT100/200V70N-G
-Enhancing lineup of the LEGA LED lamp series best suited for
switching from mercury lamps to LED-**

GS Yuasa Corporation (Tokyo Stock Exchange: 6674; "GS Yuasa") announced that it has launched the LEGA LDT100/200V70N-G as part of its LED lamp LEGA series. The new product is best suited for replacing the 200w mercury lamps used mainly for street lighting and park lighting.

In accordance with the Minamata Convention on Mercury, the production of mercury lamps will be prohibited from 2020. GS Yuasa, in May 2015, released the LEGA LDT100/200V30N-G suitable for replacing 80w mercury lamps and it is enhancing the lineup of the LEGA LED lamp series with the launch of LEGA LDT100/200V70N-G.

LEGA LDT100/200V70N-G can be attached to the existing mercury lamp lighting equipment (E39 lamp cap) and the mercury lamps can be switched to LED just by removing the ballast and replacing the lamp. This enables significant reduction in the investment cost for switching the existing lights to LED.

In addition, the new product maintains the same level of brightness as existing 200W mercury lamps and consumes very little power, 70w, which translates to energy savings of about 67%. The rated life of the product is approximately 4 times (50,000 hours) that of mercury lamps, so it also contributes to reduction in maintenance and management costs for tasks such as lamp replacement.

Moreover, GS Yuasa was able to achieve soft lighting with LEGA LDT100/200V70N-G by reducing the glare^{*1} of the LED light using a diffusive light-emitting surface to address the brightness typical to LEDs.

GS Yuasa will continue to offer lighting that is best suited for the usage environment of customers through its broad lineup of the LED lighting LEGA series and the ceramic-metal-halide lamp ECO-CERA series that achieve energy savings and long life.

*1 Glare is light brightness that can cause deterioration in vision, discomfort, and fatigue.

[Features of LEGA LDT100/200V70N-G]

1. Allows existing mercury lamp equipment to be used as it is, which significantly reduces the initial investment for LED adoption
2. While maintaining the same level of brightness, it reduces power consumption by approximately 67% and has a rated life approximately 4 times compared to mercury lamps, so it is also an economical product after installation.
3. 100V/200V supported as input voltage
4. Diffusive light-emitting surface controls glare while achieving soft light

[Characteristics of LEGA LED lamp series]

Product name	LED lamp LEGA LDT100/200V30N-G	LED lamp LEGA LDT100/200V70N-G	Mercury lamp HF200X
Rated power consumption (W)	30	70	215
Power company applied input capacity (VA)	30	70	240
Total luminous flux (lm)	3,500	8,700	9,900
Lamp efficiency (lm/W)	116	124	50
Correlated color temperature (K)	5,000	5,000	3,900
Color rendering (Ra)	85	85	40
Rated life (h) ^{*2}	40,000 (70 degree Celsius)	50,000 (60 degree Celsius)	12,000

*2 In accordance with the operating temperature limit of the device to which the lamp is attached.

LEGA LDT100/200V70N-G: (-20 to 60 degree Celsius)

LEGA LDT100/200V30N-G: (-20 to 70 degree Celsius)

[Image] LED lamp LEGA LDT100/200V70N-G

